

Sub B2  
A1  
cont

necessary for communication with the implanted device; and

a communication lead having a first end and a second end, where the first end is communicatively coupled to the first telemetry coil and the second end adapted to be communicatively coupled to a medical device programmer.

Sub C5

15. (Once Amended) A telemetry coil for communicating with an implanted medical device, comprising: one or more loops of a conductive wire that define a predetermined outer dimension sufficient to allow communication between the first telemetry coil and the medical device [positioned at a posterior location on a torso and an implanted medical device disposed subcutaneously on an anterior location of the torso], where the predetermined outer dimension is a diameter in a range of fifteen (15) to forty-six (46) centimeters, where the one or more loops of a conductive wire wound substantially in a common plane and concentrically around a central core, where the central core includes a magnetically permeable material, and where the loops are positioned around the central core to form a substantially constant gap between adjacent loops [where the coil includes an outside diameter ranging between fifteen (15) to forty-six (46) centimeters].

Please add the following new claims:

Sub B5  
A3

23. (New) An apparatus for communication with an implantable medical device, comprising: a first telemetry coil, where the first telemetry coil includes a predetermined outer dimension sufficient to allow communications between the first telemetry coil and the implantable medical device where the first telemetry coil includes one or more loops of a conductive wire, where the conductive wire is wound around a core, where the core is constructed of a magnetically permeable material that enhances flux density of the apparatus, where the magnetically permeable material is made of a ferrite (iron-oxide) powder; and

a communication lead having a first end and a second end, where the first end is communicatively coupled to the first telemetry coil and the second end adapted to be communicatively coupled to a medical device programmer.

24. (New) The apparatus of claim 23, where the predetermined outer dimension is a diameter in a range of fifteen (15) to forty-six (46) centimeters.

*Sub B6*  
25. (New) The apparatus of claim 23, further comprising:  
a flexible housing, where the flexible housing encases the first telemetry coil, where the flexible housing is conformable to an irregular surface.

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26. (New) The apparatus of claim 25, where the flexible housing is constructed of an insulating material.

27. (New) The apparatus of claim 23, including a second telemetry coil, where the second telemetry coil is communicatively coupled to the first end communication lead.

28. (New) An apparatus for communication with an implantable medical device, comprising:  
a first telemetry coil, where the first telemetry coil includes a predetermined outer dimension sufficient to allow communication between the first telemetry coil and the implantable medical device;

a communication lead having a first end and a second end, where the first end is communicatively coupled to the first telemetry coil and the second end adapted to be communicatively coupled to a medical device programmer; and

a second telemetry coil communicatively coupled to the first end communication lead; and  
a flexible housing, wherein the first telemetry coil and the second telemetry coil are concentrically positioned in a common plane within the flexible housing.

29. (New) The apparatus of claim 28, further including a padded cover disposed over the flexible housing.